Tech Trends with Tine Webinar Series presents…

History of Wearable Technology

Source : Vandrico.com and
http://www.media.mit.edu/wearables/lizzy/timeline.html

Wearables

Making the Human "Smart"
&
Human/Data Interaction

Tine Walczyk – February 19th, 2016
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Tech Trends with Tine

Have you seen them before?

- Bluetooth Headsets
- Apple Watch
- Google Glasses
- Fitbits
- SciFi
    - Movies - The Rocketeer, X-Men
    - Books – FEED
    - TV
        - Star Trek – Communicators, Game Glasses that generate endorphins, Geordi's Glasses
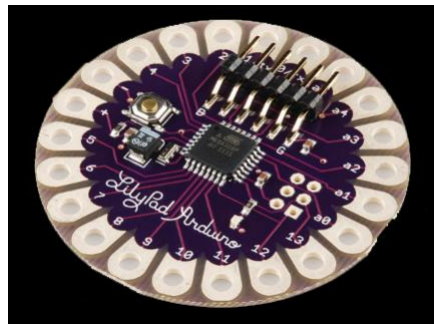   - Continuum - Police Uniform

What are Wearables?

- Set of SMART devices and a subset of IoT - Next week!

- Objects that are worn on or inside a Human (or Pet)…
  - AND…
- Collects data
- Interacts with the "host"

What are its components?

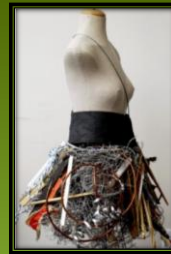- Computer (chip, programming)

- Battery

- Network access

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What do they look like?

- Watches, bracelets, rings
- Clothing, footwear, undergarments
- Armor, jetpacks, prosthetics
- Glasses
- Body modifications
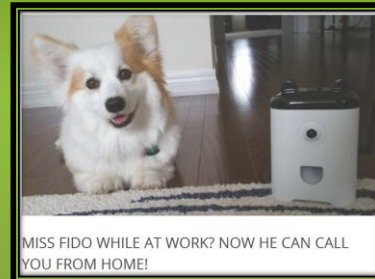- Food
- And more…

Personalized Fashion – ShiftWear

Environmentally aware Fashion

Baby Monitoring - Mimo

Pet Monitoring - PetBot

Jet Packs are here! – JetPack Aviation

Stop Netflix when you fall asleep

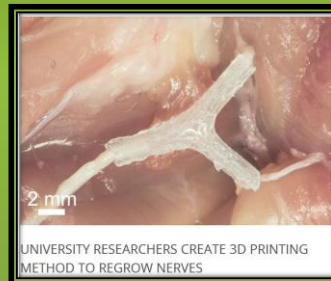Monitor your sleep - OURA

Control your snoring - NORA

Exoskeleton – ReWalk

Entertainment - Oculus

On the surface - ChaoticMoon

UNIVERSITY RESEARCHERS CREATE 3D PRINTING METHOD TO REGROW NERVES
Inside

What are they used for?

- Health
  - Tracking vital signs, water intake, hearing
- Fashion
  - Customizable shoes, tattoos
- Communications
  - Watches, headsets
- Security
  - Tracking location
- Virtual Reality (learning, entertainment)

Why are they important?

- Assists with data that the "host" may not be able to communicate themselves

- Personalization

- Monitoring of chronic conditions

- Lifelogging

- Extend our capabilities

So what about libraries…

- We'll start seeing them
  - Support
  - Programs
  - Lending
  - Build apps for them

Resources / learn more

- What kind of data they track - https://hbr.org/2013/09/wearables-in-the-workplace
- Explanation of Wearables - http://www.wearabledevices.com/what-is-a-wearable-device/
- San Jose Public Library – https://www.sjpl.org/blog/wearable-technology-0
- Florida Library Webinars – http://floridalibrarywebinars.org/wearable-technology-and-libraries-ondemand/

Keep up to date

- What's new: We Are Wearables blog - http://blog.wearewearables.com/
- Upcoming Wearable Technologies Conference - http://www.wearable-technologies.com/network/
- Wearable technology will reconnect us to ourselves and each other (TEDx Talk Video) – http://tedxtalks.ted.com/video/Becoming-Human-Wearable-Technol
- Horizon Reports – http://library.wiki.nmc.org/Wearable+Technology

And that's just the beginning of our trends this season!

See you again on Feb 26th for the Internet of things!

Tech Trends with Tine Webinar presented on February 19th 2016.